TECHWOOD

OPERATING INSTRUCTIONS

22742 Full HD 1080P DVD

COLOUR TELEVISION WITH REMOTE CONTROL

IF YOU NEED ANY ASSISTANCE OR A CUSTOMER REFERENCE NUMBER PLEASE CONTACT THE TECHWOOD HELP LINE ON 0845 543 0485

Contents

Package Contents 2
Features 2
Introduction 2
Preparation 3
Safety Precautions 3
- Moisture and Water 3
- Cleaning 3
- Ventilation 3
- Heat and Flames 3
- Lightning 3
- Replacement Parts 3
- Servicing 3
- Waste Disposal 3
- Information for Users in European Union Countries 4
- Disconnecting the Device 4
- Headphone Volume 4
- Installation 4
- LCD Screen 4
- Warning 4
- Connection to a Television Distribution System (Cable TV etc.) from Tuner 4

Overview of the Remote Control 5
LCD TV and Operating Buttons 6
Viewing the Connections- Back Connectors 6
Viewing the Connections - Side Connectors 7
Power Connection 7
Aerial Connection 7
Connecting the LCD TV to a PC 8
Using Side USB Input 8
- USB Memory Connection 8

Connecting to a DVD Player 9
Using Side AV Connectors 9
Connecting Other Equipment via Scart 9
Inserting Batteries into the Remote Control 10
Switching the TV On/Off 10
Input Selection 10
Basic Operations 10
- Operation with the Buttons of the TV 10
- Operation with the Remote Control 10

Initial Settings 11
General Operation 11
Electronic Programme Guide (EPG) 12
- Displaying Subtitles 12
- Digital Teletext (** for UK only) 12
- Analogue Teletext 12
- Widescreen 12

IDTV Menu System 13
- Channel List 13
- Timers 15
- Conditional Access 15
- TV Setup 15
- Setup 15
- Media Browser 19
- Playing MP3 Files 19
- Viewing JPG Files 20
- Slideshow Options 20
- Video Playback 20

Analogue TV Menu System 20
- Picture Menu 20
- Sound Menu 21
- Feature Menu 22
- Source Menu 22
- Install Menu 23
- Program Table 23

PC-VGA Mode Menu System 24
- PC-VGA Position Menu 24
- Phase 24

Displaying TV Information 25
Mute Function 25
Picture Mode Selection 25
Zoom Modes 25
- Auto 25
- 16:9 25
- 4:3 25

Teletext 26
Tips 26
- Image Persistence 26
- No Power 26
- Poor Picture 26
- No Picture 26
- Sound 26
- Remote Control 26
- Input Sources 26

Appendix A: PC Input Typical Display Modes 27
Appendix B: AV and HDMI Signal Compatibility (Input Signal Types) 28
Appendix C: Supported File Formats for USB Mode 29
Specifications 30
Important Instruction 31

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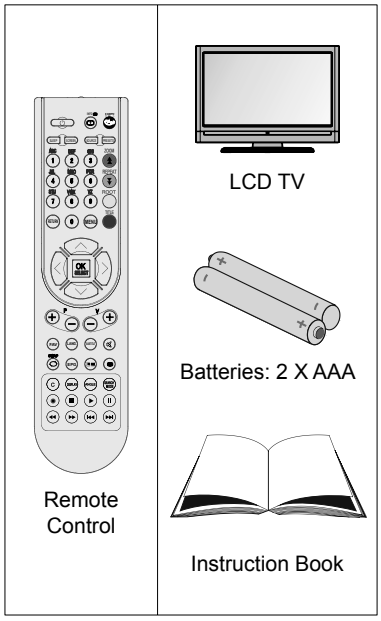
Package Contents



Note: You should check the accessories after purchasing. Make sure that each accessory is included.

Features

- Remote controlled colour LCD TV.
- Fully integrated digital TV (DVB-T).
- HDMI connectors for digital video and audio. This connection is also designed to accept high definition signals.
- 200 programmes from VHF, UHF(analogue).
- 500 programmes for digital mode (IDTV).
- OSD menu system.
- Scart socket for external devices (such as video, video games, audio set, etc.).
- Stereo sound system.
- 10 page Teletext, fastext, TOP text.
- Headphone connection.
- Automatic programming system.
- Forward or backward manual tuning.
- Sleep timer.
- Child lock.
- Automatic sound mute when no transmission.
- NTSC playback.
- AVL (Automatic Volume Limiting).
- When no valid signal is detected, after 5 minutes the TV switches automatically to standby mode.
- PLL (Frequency Search).
- PC input.
- Plug&Play for Windows 98, Windows 7, ME, 2000, XP, Vista.
- Game Mode

Introduction

Thank you for choosing this product. This manual will guide you for the proper operation of your TV. Before operating the TV, please read this manual thoroughly.

Please do keep this manual in a safe place for future references.

This device is intended to receive and display TV programs. The different connection options make an additional expansion of the reception and display sources possible (receiver, DVD player, DVD recorder,VCR, PC etc.). This device is only suitable for the operation in dry interiors.

This appliance is intended solely for private domestic use and may not be used for industrial and commercial purposes. We exclude liability in principle, if the device is not used as intended, or unauthorized modifications have been made. To operate your LCD-TV in extreme ambient conditions may cause the damage of the device.

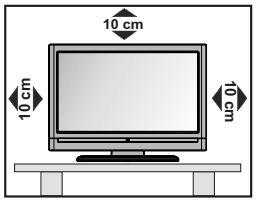
Please read the corresponding instructions of this handbook prior to the first usage of the

device, even when the usage of electronic devices is familiar to you. Notice especially the chapter SAFETY PRECAUTIONS. Carefully keep the handbook as future reference. When selling the device or giving it away, absolutely give these direction for use.

Preparation

For ventilation, leave a free space of at least 10 cm all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set.

Use this device in moderate climates.



Safety Precautions

Read the following recommended safety precautions carefully for your safety.

Power Source

The TV set should be operated only from a 220-240V AC, 50 Hz outlet. Ensure that you select the correct voltage setting for your convenience.

Power Cord

Do not place the set, a piece of furniture, etc. on the power cord (mains lead) or pinch the cord. Handle the power cord by the plug. Do not unplug the appliance by pulling from the power cord and never touch the power cord with wet hands as this could cause a short circuit or electric shock. Never make a knot in the cord or tie it with other cords. The power cords should be placed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electric shock. When it is damaged and needs to be replaced, it should be done by qualified personnel.

Moisture and Water

Do not use this device in a humid and damp place (avoid the bathroom, the sink in the kitchen, and near the washing machine). Do not expose this device to rain or water, as this may be dangerous and do not place objects filled with liquids, such as flower vases, on top. Avoid from dripping or splashing.

If any solid object or liquid falls into the cabinet, unplug the TV and have it checked by qualified personnel before operating it any further.

Cleaning

Before cleaning, unplug the TV set from the wall outlet. Do not use liquid or aerosol cleaners. Use soft and dry cloth.

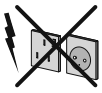
Ventilation

The slots and openings on the TV set are intended for ventilation and to ensure reliable operation. To prevent overheating, these openings must not be blocked or covered in anyway.

Heat and Flames

The set should not be placed near to open flames and sources of intense heat such as an electric heater. Ensure that no open flame sources, such as lighted candles, are placed on top of the TV. Batteries should not be exposed to excessive heat such as sunshine, fire or the like.

Lightning



In case of storm and lightning or when going on holiday, disconnect the power cord from the wall outlet.

Replacement Parts

When replacement parts are required, make sure that the service technician has used replacement parts, which are specified by the manufacturer or have the same specifications as the original one. Unauthorized substitutions may result in fire, electrical shock or other hazards.

Servicing

Please refer all servicing to qualified personnel. Do not remove the cover yourself as this may result in an electric shock.

Waste Disposal

Instructions for waste disposal:

- Packaging and packaging aids are recyclable and should principally be recycled. Packaging materials, such as foil bag, must be kept away from children.
- Batteries, including those which are heavy metal-free, should not be disposed of with household waste. Please dispose of used battery in an environment friendly manner. Find out about the legal regulations which apply in your area. Don't try to recharge batteries. Danger of explosion. Replace batteries only with the same or equivalent type.

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• Cold cathode fluorescent lamp in LCD PANEL contains a small amount of mercury; please follow the local laws or regulations for disposal.

Information for Users in European Union Countries

This symbol on the product or on its packaging means that your electrical and electronic device should be disposed at the end of its service life separately from your household wastes. There are separate collection systems for recycling in EU.

For more information, please contact the local authority or the dealer where you purchased the product.

Disconnecting the Device

The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable.

Headphone Volume

Excessive sound pressure from earphones and headphones can cause hearing loss.

Installation

To prevent injury, this device must be securely attached to the wall in accordance with the installation instructions when mounted to the wall (if the option is available).

LCD Screen

The LCD panel is a very high technology product with about a million thin film transistors, giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green or red point. Please note that this does not affect the performance of your product.

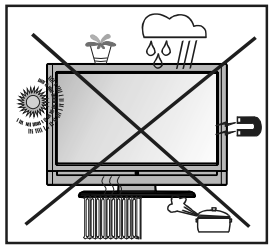
Warning

Do not leave your TV in standby or operating mode when you leave your house.

Connection to a Television Distribution System (Cable TV etc.) from Tuner

Device connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing-and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard.

Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11).



The Standby / On button doesn´t separate this device completely from mains. Moreover the device consumes power in the standby operation. In order to separate the device completely from mains, the mains plug has to be pulled from the mains socket. Because of that the device should be set up in a way, that an unobstructed access to mains socket is guaranteed, so that in case of emergency the mains plug can be pulled immediately. To exclude the danger of fi re, the power cord should principally be separated from the mains socket prior to a longer period of non-usage, i.e. during vacations.

Electrical device not in the hands of children

Never let children use electrical device unsupervised.

Children can´t always recognize properly the possible dangers.

Batteries / accumulators can be life threatening when swallowed. Store batteries unreachable for small children. In case of swallowing a battery medical aid has to be sought immediately. Also keep the packaging foils away from children. There is danger of suffocation.

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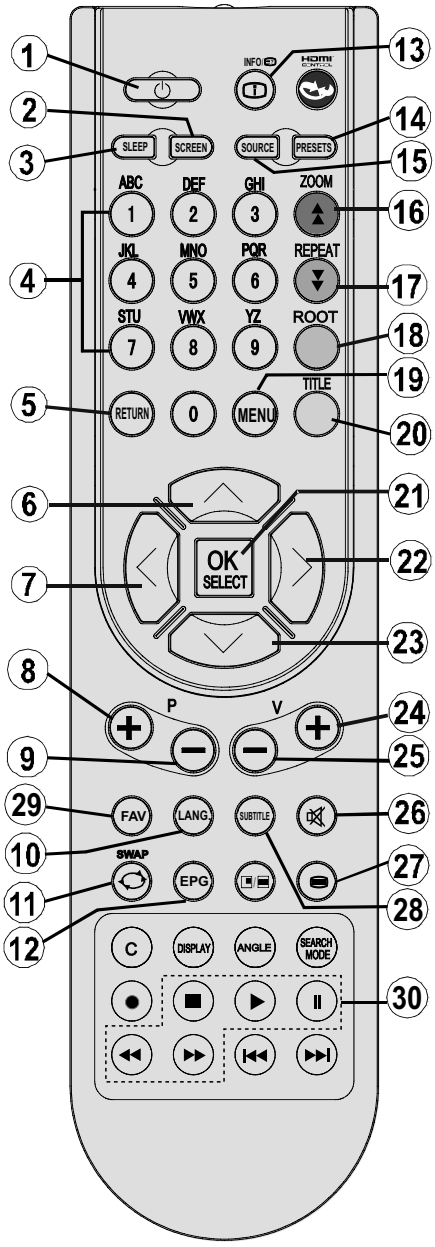
Overview of the Remote Control

1. Standby / On
2. Image size / Expand (in TXT mode)
3. Sleep timer
4. Numeric buttons
5. Return / Exit (in DTV mode) / Index page (in TXT mode)
6. Cursor up / TXT up page
7. Cursor left
8. Programme up / Page down (in DTV mode)
9. Programme down / Page up (in DTV mode)
10. Mono-Stereo / Dual I-II / Current Language(in DTV mode)
11. Swap
12. Electronic programme guide (in DTV mode)
13. Info / TXT reveal (in TXT mode)
14. Picture mode selection
15. Source selection
16. Red / Sound Menu / Channel List (in DTV mode) (*)
17. Green / Picture Menu / Subtitle On-off (in DTV mode) (*)
18. Yellow / Feature / Current language (in DTV mode) (*)
19. Menu On-off
20. Blue / Install / Favourite mode (in DTV mode) (*)
21. OK / Select (analogue TV mode) / Hold (in TXT mode) / Channel List (DTV mode)
22. Cursor right / Subpage (in TXT mode)
23. Cursor down / TXT Downpage
24. Volume up
25. Volume down
26. Mute
27. Teletext / Mix
28. Subtitle (in DTV mode) / TXT Subtitle (analague TV mode)
29. FAV (*) (Favourite Selection)(in DTV mode)
30. Media Player buttons

(*) Only available for EU country options.
Note: Buttons that are not indicated with a number on the remote control illustration are not functional in TV mode.
Remote range is approximately 7m/23ft



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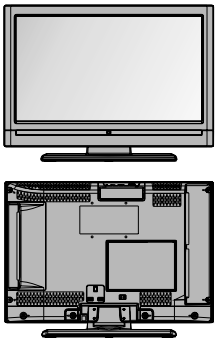
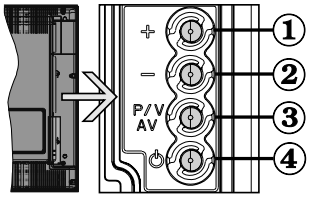
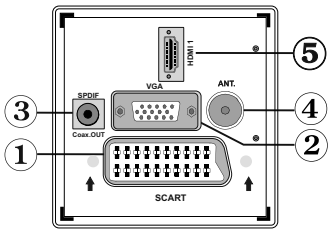
LCD TV and Operating Buttons

FRONT and REAR VIEW	SIDE VIEW	Control Buttons
		**1.** Up button **2.** Down button **3.** Programme/Volume / AV selection button **4.** Standby / On button ***Note**:You can use "**+/-**" buttons to change volume. If you want to change channels, press **P/V/AV** button once and then use "**+/-**" buttons. If you hold the **P/V/AV** button about a few seconds, source OSD will be displayed. Main menu OSD cannot be displayed via control buttons.*

Viewing the Connections- Back Connectors

1. SCART socket inputs or outputs for external devices.
Connect the SCART cable between SCART socket on TV and SCART socket on your external device (such as a VCR or a DVD player).
***Note**: If an external device is connected via the SCART socket, the TV will automatically switch to AV mode.*



2. PC Input is for connecting a personal computer to the TV set. Connect the PC cable between the PC-VGA INPUT on the TV and the PC output on your PC. Component Video Inputs (YpBPr) are used for connecting component video.
You can use PC-VGA input to enable YPbPr signal connection with a device that has component output. Connect the YPbPr to PC cable between the PC INPUT on the TV and the component video outputs of your device.

3. **S/PDIF Coaxial Out** outputs digital audio signals of the currently watched source. Dolby D Audio is bypassed while in media browser mode only.

4. RF Input connects to an antenna or a cable system.
Note that if you use a media recorder, you should connect the aerial cable through the device to the television with an appropriate antenna cable, as shown in the illustration in the following pages.

5. **HDMI 1**: HDMI 1 input
HDMI Input is for connecting a device that has an HDMI socket.
Your LCD Television is capable of displaying High Definition pictures from devices such as a High Definition Satellite Receiver or DVD Player. These devices must be connected via the HDMI sockets or Component Socket. These sockets can accept either 480i, 480p, 576p, 576i, 720p, 1080i, 1080p signals. No sound connection is needed for an HDMI to HDMI connection

When you use the wall mount kit (optional) with the LCD TV, we would definitely recommend to plug all your cables into the back of the LCD before mounting to the wall.

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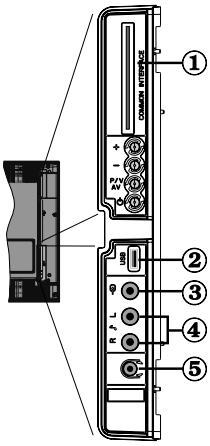
Viewing the Connections - Side Connectors



1. CI Slot is used for inserting a CI card. A CI card allows you to view all the channels that you subscribe to. For more information, see “Conditional Access” section
2. USB Input (functional in DTV mode only
3. Video Input is used for connecting video signals of external devices.Connect the video cable between the VIDEO IN socket on the TV and the VIDEO OUT jack on your device.
4. Audio Inputs are used for connecting audio signals of external devices. Connect the audio cable between the AUDIO INPUTS on the TV and the AUDIO OUTPUT jacks on your device.
   Also to enable **PC/YPbPr** sound connection in such a case, use an appropriate audio cable between the connected device’s audio outputs and the TV’s audio inputs
   Note: If you connect a device to the TV via the VIDEO or PC/YPbPr cable you should also connect your device with an audio cable to the AUDIO INPUTS of the TV to enable audio.
5. Headphone jack is used for connecting an external headphone to the system. Connect to the HEADPHONE jack to use headphones.

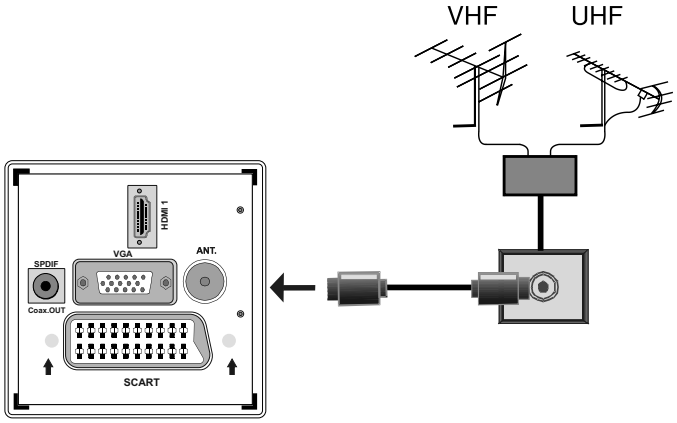
Power Connection

***IMPORTANT**: The TV set is designed to operate on 220-240V AC, 50 Hz.*

- After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains.
- Plug the power cable to the mains socket outlet.

Aerial Connection

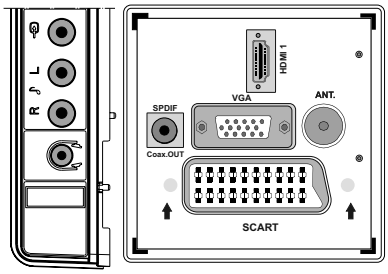
- Connect the aerial or cable TV plug to the AERIAL INPUT socket located at the rear of the TV.

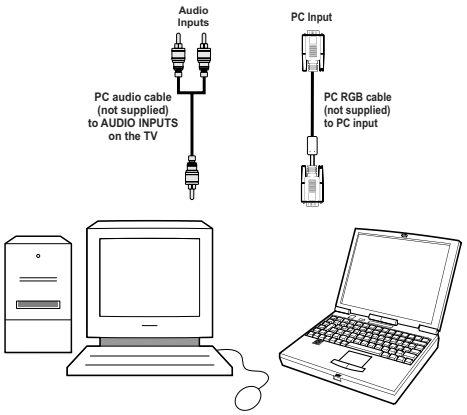


Connecting the LCD TV to a PC

For displaying your computer's screen image on your LCD TV, you can connect your computer to the TV set.

- Power off both computer and display before making any connections.
- Use 15-pin D-sub display cable to connect a PC to the LCD TV. Use an audio cable between audio inputs of the TV (side) and audio output of your PC to enable sound connection.
- When the connection is made, switch to PC-VGA source. See "Input selection" section.
- Set the resolution that suits your viewing requirements. Resolution information can be found in the appendix parts.





Using Side USB Input

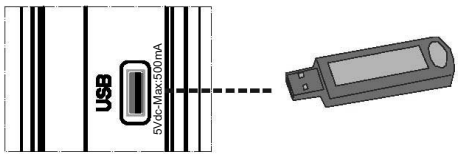
- You can connect USB devices to your TV by using the USB input of the TV. This feature allows you to display/play music,photo or video files stored in a USB stick.
- It is possible that certain types of USB devices (e.g. MP3 Players) may not be compatible with this TV.
- You may back up your files before making any connections to the TV set in order to avoid any possible data loss. Note that manufacturer will not be responsible for any file damage or data loss.
- The TV supports only FAT32 disk formatting. NTFS format is not supported. If you connect a USB disk with NTFS format, **"usb is unformetted"** osd will be displayed.
- Do not pull out USB module while playing a file.

CAUTION: Quickly plugging and unplugging USB devices, is a very hazardous operation. Especially, do not repeatedly quickly plug and unplug the drive. This may cause physical damage to the USB player and especially the USB device itself.

USB Memory Connection

- Plug your USB device to the USB input of the TV.

Note: USB hard disk drives are not supported.

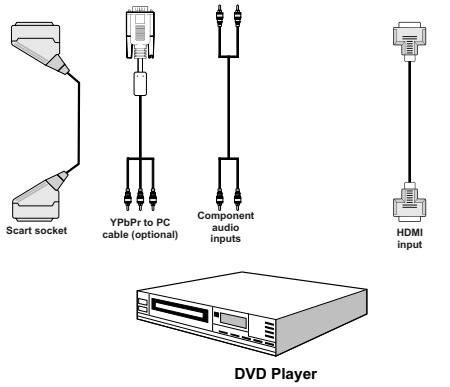


Connecting to a DVD Player

If you want to connect a DVD player to your LCD TV, you can use connectors of the TV set. DVD players may have different connectors. Please refer to your DVD player's instruction book for additional information. Power off both the TV and the device before making any connections.

***Note**: Cables shown in the illustration are not supplied.*

- If your DVD player has an HDMI socket, you can connect via HDMI. When you connect to DVD player as illustrated below, switch to HDMI source. See, "Input Selection" section.
- Most DVD players are connected through COMPONENT SOCKETS. YPbPr can be used only when you connect a device that has a YPbPr output through the PC input with YPbPr to PC cable. To enable sound connection, use AUDIO IN located side of the TV (YPbPr cable is not supplied).
- When the connection is made, switch to YPbPr source. See, "Input selection" section.
- You may also connect through the SCART socket. Use a SCART cable as shown below.

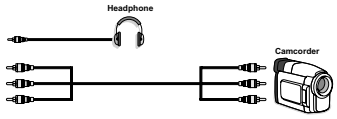


***Note**: These methods of connection perform the same function but in different levels of quality. It is not necessary to connect by all three methods.*

Using Side AV Connectors

You can connect a range of optional equipment to your LCD TV. Possible connections are shown below. Note that cables shown in the illustration are not supplied.

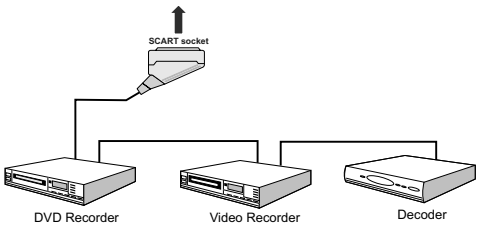
- For connecting a camcorder, connect to the VIDEO IN socket and the AUDIO SOCKETS. For selecting the related source, see the section "Input selection" in the following parts.
- To listen the TV sound from headphones, connect to the HEADPHONE jack of theTV



Connecting Other Equipment via Scart

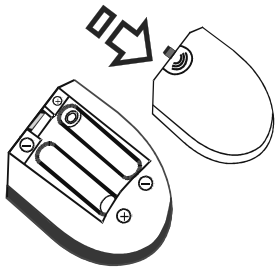
Most devices support SCART connection. You can connect a; DVD recorder or a VCR to your LCD TV by using the SCART socket. Note that cables shown in the illustration are not supplied. Power off both the TV and the devices before making any connections.

For more information, refer to your device's own instruction book.



Inserting Batteries into the Remote Control

- Remove the battery cover located on the back of the remote control by gently pulling backwards from the indicated part.
- Insert two **AAA/R3** or equivalent type batteries inside.Observe the correct polarity (+/-) when inserting batteries and replace the battery cover.



***Note**: Remove the battery from remote control when it is not to be used for a long period. Otherwise it can be damaged due to any leakage of batteries.*

Switching the TV On/Off

To Switch the TV On

- Connect the power cord to the 220-240V AC 50 Hz.
- Then the standby LED lights up.

To switch on the TV from standby mode either:

- Press the "⏻" button, **P+** / **P-** or a numeric button on the remote control.
- Press the **-P/CH** or **P/CH+** button on the TV. The TV will then switch on.

Note: If you switch on your TV via standby button on the remote control, the programme/source that you were watching last will be reselected.

By either method the TV will switch on.

To Switch the TV Off

- Press the "⏻" button on the remote control or press the STANDBY switch, so the TV will switch to standby mode.
- **To power down the TV completely, unplug the power cord from the mains socket.**

Note: When the TV is switched to standby mode, standby LED can blink to indicate that features such as Standby Search, Over Air Download or Timer is active.

Input Selection

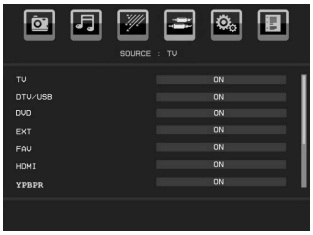
Once you have connected external systems to your TV, you can switch to different input sources.

- Press **"SOURCE"** button on your remote control for directly changing sources.

or

- Select "**Source**" option from the main menu by using "◀" or "▶" button. Use then "▼" or "▲" button to highlight an input and press "▶" button to select.

***Note**: With the "◀" or "▶" buttons you can set Off or On. When Off is selected; this source does not appear in the OSD when you press the **"SOURCE"** button of the remote control. (except for the TV source).*



***Note** : YPbPr mode can be used only when you connect a device that has a YPbPr output through the PC-VGA input with YPbPr to PC cable (YPbPr cable is not supplied).*

Basic Operations

You can operate your TV using both the remote control and onset buttons.

Operation with the Buttons of the TV

Main menu OSD cannot be displayed via control buttons. "**+/-**" buttons will function as volume up/down as default. Even if you set other functions for these buttons, "**+/-**" buttons will perform as default after a short while.

Volume Setting

- Press "**+/-**" buttons to increase or decrease volume, so a volume level scale (slider) will be displayed on the screen.

Programme Selection

- Press P/V/AV button once and then use "***+/-"*** buttons to select the next or previous programme.

AV Mode

- Hold the **"P/V/AV"** button, source OSD will be displayed.Use **"+/-"** buttons to select the desired source.

Operation with the Remote Control

- The remote control of your TV is designed to control all the functions of the model you selected. The

01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 10 03.12.2010 16:21:49

functions will be described in accordance with the menu system of your TV.

• Functions of the menu system are described in the following sections.

Volume Setting

• Press "**V+**" button to increase the volume. Press "**V-**" button to decrease the volume. A volume level scale (slider) will be displayed on the screen.

Programme Selection (Previous or Next Programme)

• Press "**P-**" button to select the previous programme.

• Press "**P+**" button to select the next programme.

Programme Selection (Direct Access)

• Press numeric buttons on the remote control to select programmes between 0 and 9. The TV will switch to the selected programme. To select programmes between 10-500 (for IDTV) or 10-199 (for analogue), press the numeric buttons consecutively

• Press directly the programme number to reselect single digit programmes

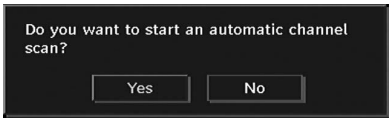
Initial Settings

When the TV is turned on for the first time, the menu for the language selection appears on the screen. The message "Welcome please select your language!" is displayed in all language options sequentially in the OSD.

By pressing the "▼" or "▲" buttons highlight the language you want to set and press OK button. Afterwards, "First time installation" OSD will appear on the screen. By pressing "◀" or "▶" buttons, select the country you want to set and press OK button (* for EU countries).

***Note**: Country selection OSD will not be available for UK.*

Press OK button on the remote control to continue and the following message will be displayed on the screen:

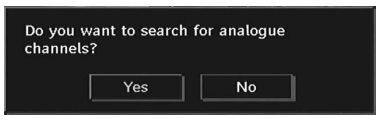


• To select the "Yes" or "No" option, highlight the item by using "◀" or "▶" buttons and press the "**OK**" button.

The IDTV will automatically tune to the UHF or VHF(*) (* for EU countries) transmission channels, searching for digital terrestrial TV broadcasts and displaying the names of channels found. This process will take about a few minutes.

Automatic Channel Scan
SIDSA_NETW: Sky News (enc)
SIDSA_NETW: CNBC Europe (enc)
SIDSA_NETW: TV5MONDE EUROPE (enc)
SIDSA_NETW: DW-TV (enc)
SIDSA_NETW: BBC World
Scanning channel: UHF 29. Please wait. This will take a few minutes.
0%
100%
MENU Cancel scan

After Automatic Search is completed, the following message asking for analogue channel search appears on the screen:



To search for analogue channels, select "Yes". TV switches to the analogue TV mode. The menu is displayed to search for analogue channels.

Select your Country, Language and Text language by using "◀" or "▶" and "▼" or "▲" buttons. Press **OK** or **RED** button to continue. To cancel, press the **BLUE** button.

For more information on this process, see "Install Menu" section.

***Note**: For proper functioning of digital teletext in DTV mode, you should set country as UK in analogue AUTO PROGRAM (for UK broadcasts only).*

Do not turn off the TV while initializing first time installation.

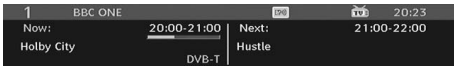
General Operation

Press the **"SOURCE"** button on the remote control and select DTV/USB to switch the TV set to digital terrestrial television broadcasting.

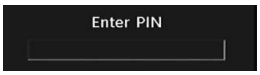
Information Banner

• Whenever you change channel, using the **P+** / **P-** button or the numeric buttons, the TV displays the broadcast picture along with an information banner at the bottom of the screen (available only in DTV mode). This will remain on the screen for a few seconds.

• The information banner can also be displayed at any time while watching TV by pressing the **"INFO/ⓘ"** button on the remote control:



If the selected channel is locked, you must enter the correct four numeric code to view the channel. “Enter PIN” will be displayed on the screen in such a case:



Electronic Programme Guide (EPG)

• Some, but not all, channels send information about the current and next events. Press **EPG** button to view the **EPG** menu. **EPG** appears on the screen. It is able to get Information of the channel - programs weekly by means of 7-DAY-**EPG**. All programs of channels are displayed. On the bottom of the screen; info bar, showing all the available commands, will be displayed.

RED button (Shrink): makes the info boxes smaller.

GREEN button (Expand): makes the info boxes larger.

YELLOW button (Prev. Day): displays the programmes of previous day.

BLUE button (Next day): displays the programmes of the next day.

INFO (Details): displays the programmes in detail.

Numeric buttons (Jump): go to preferred channel directly via numeric buttons.

OK : view for current broadcast/reminders for future programs.

: jumps to the current broadcast.

• Press **“0”** button on the remote control to view Guide Search menu. Using this feature, you can search the programme guide database in accordance with the genre selected or with name match.

Displaying Subtitles

With digital terrestrial broadcasting (DVB-T), some programmes are being broadcasted with subtitles.

Press the **“MENU”** button to display the main menu, highlight the **Setup** and then **Language** menu using “▼” or “▲” button and press the **OK** button to display the “Language settings” menu.

Highlight the “Subtitle” item in “Language settings” menu and use ◀” or “▶ button to set Subtitle to the desired language.

Note: You can enable subtitles by pressing the GREEN button of the remote control. Press GREEN button again to disable subtitle function.

If “**Subtitle**” is on and a language option is set, pressing the “” button causes the following warning message display on the screen (** for UK only):

Digital Teletext (** for UK only)

• Press the “” button.

• The digital teletext information appears.

• Operate it with the coloured buttons, cursor buttons and **OK** button.

The operation method may differ depending on the contents of the digital teletext.

Follow the instructions displayed on digital teletext screen.

• When Press “**SELECT**” button or similar message appears on the screen, press the OK button.

• When the “” button is pressed, the TV returns to television broadcasting.

• With digital terrestrial broadcasting (DVB-T), in addition to digital teletext broadcasting together with the normal broadcasting, there are also channels with just digital teletext broadcasting.

• The aspect ratio (picture shape) when watching a channel with just digital teletext broadcasting is the same as the aspect ratio of the picture viewed previously.

• When you press the “” button again, the digital teletext screen will be displayed.

Analogue Teletext

Use of teletext and its functions are identical to the analogue text system. Please do refer to the “**TELETEXT**” explanations.

Widescreen

Depending on the type of the broadcast being transmitted, programmes can be viewed in a number of formats. Press the **“SCREEN”** button repeatedly to change screen format.

When Auto is selected, the format being displayed is determined by the picture being broadcasted.

01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 12 03.12.2010 16:21:51

***PLEASE NOTE**: Menu size changes depending on the chosen image size.*

Notice !

Dolby D audio type is not supported. In this case, Tv sound will be muted. If the broadcast includes AC3 stream, the following warning message will be displayed on the screen:

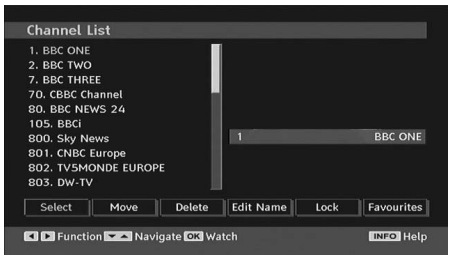
If there is no audio available, the following warning message will be displayed on the screen:.

IDTV Menu System

Press the **"MENU"** button. Main menu will be displayed.

Channel List

Using the "▼" or "▲" button on the remote control, make sure that the first item, Channel List, is highlighted and press the "**OK**" button to display the Channel List or you can press the OK button during watching DVB-T broadcasting and get to the Channel List directly.



Navigating the Entire Channel List

Press "▼" or "▲" button for selecting the previous or next channel. You can press "**RED"** or "**GREEN**" button to move page up or page down.

To watch a specific channel, highlight it using "▼" or "▲ " button and then press "**OK**" button, while the "Select" item on Channel List menu is highlighted by using "◀ " or "▶" button.

Then the name and number of the selected channel will be displayed in the top-left and top-right of the channel display at the top-right of the screen, respectively.

Moving the channels in the channel list

- Press "▼" or "▲" buttons to select the channel that will be moved.
- Press "◀" or "▶" buttons to select the "**Move**" item on Channel List menu.

Following OSD will be displayed next to "**OK**" item to indicate that enter a number by using the numeric buttons on the remote control and press "**OK**" to confirm.

Note: If you enter the same programme number of the channel that you want to move, ".... channel services will be replaced. Do you want to continue?" OSD will be displayed. Press OK to confirm or select "No" to cancel.

Deleting the Channels in the Channel List

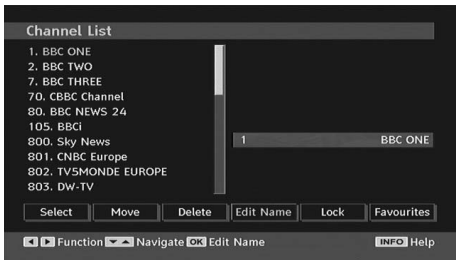
- Press "▼" or "▲" button to select the channel that will be deleted.
- Press "◀" or "▶" button to select the "Delete'' item on Channel List menu.
- Press the "**OK**" button to delete the highlighted channel in the channel list. Then the message below appears on the screen:

- Press "◀" or "▶" button to highlight the desired option. If "**OK**" button is pressed while "**Yes**" is highlighted, the highlighted channel is deleted. Selecting "**No**" cancels the deletion.

01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 13 03.12.2010 16:21:51

Renaming Channels

To rename a specific channel, the channel must be highlighted by pressing "▼" or "▲" button. Then highlight the **Edit Name** item by pressing "◀" or "▶" button as illustrated below. Press the "**OK**" button to activate the rename feature.



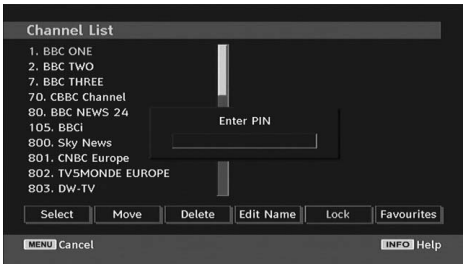
Now pressing "◀" or "▶" button moves to the previous/ next character. Pressing "▼" or "▲" button toggles the current character, i.e., 'b' character becomes 'a' by "▼" and 'c' by "▲". Pressing the numeric buttons '0...9' replaces the highlighted character with the characters printed above the button one by one as the button is pressed.

Press the **"MENU"** button to cancel the editing or OK button to save the new name.

Adding Locks to Channels

Channel locking provides a password-protected access to channels selected by parents. In order to lock a channel you should know the parental lock password (default value is set to 0000 in the factory and can only be changed from the Configuration menu).

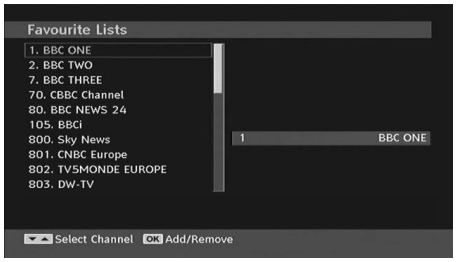
Select the channel to be locked by highlighting it and select the Lock option by pressing "◀" or "▶" button. When the "**OK**" button is pressed, a dialog OSD asking for the password will be displayed.



Enter the password by using the numeric buttons on the remote control. The lock icon "🔒" will now be displayed next to the selected channel. Repeat the same operation to cancel the lock.

Setting Favourites

To set a favourite you should highlight the "Favourites" item at the bottom of the Channel List menu. Then press "**OK**" button and Edit Favourite List menu appears on the screen.



How to Add a Channel to a Favourites List

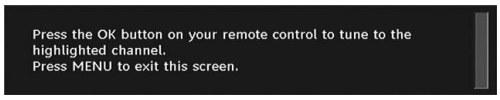
- By pressing "▼" or "▲" buttons, highlight the channel that you want to add to the favourite list.
- By pressing "**OK**" button, the highlighted channel is added to the Favourite List.
- F icon indicates that a channel is added to Favourite List.

Removing a Channel from Favourite List

- Highlight the channel that you want to remove from the favourite list and press OK button to remove.You can press "**OK**" button again to re-add a channel.
- To activate Favourites, go to the Configuration menu and select Favourite mode. Use "◀" / "▶" to set Favourite mode as on. To cancel Favourites, set Favourite Mode to Off.

On Screen Help

For all menus, press the **"INFO/ⓘ"** button to display the help information about the menu functions.

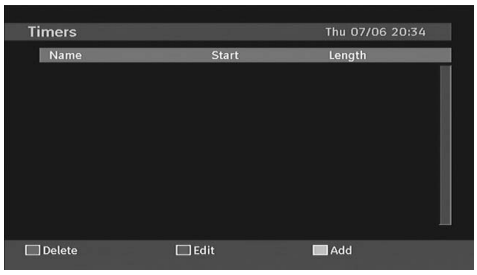


Programme Guide

This section is same with the instructions given in the General Operations page. Please see Electronic Programme Guide (EPG) section in the General Operations part.

01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 14 03.12.2010 16:21:52

Timers



To display timers window, activate the item from the main menu. To add a timer, press the **YELLOW** button on the remote control. Then "Add Timer" window appears.

Mode: Selects channel list mode.

Channel: "◀" or "▶" keys will navigate the user through the TV or Radio list.

Date: Starting date is entered via the Left/Right and the numeric buttons.

Start: Starting time is entered via the Left/Right andcthe numeric buttons.

End: Ending time is entered via the Left/Right and the numeric buttons.

Duration: Duration between Start and End time.

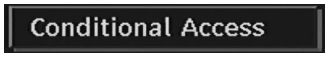
Repeat: You can set a timer to be repeated as Once, Daily or Weekly.

Change/Delete: permits or prohibits any modifications for other users.

You can save the adjustments by pressing the **GREEN** key or cancel the process by pressing the **RED** button. You can edit the list via **GREEN** key and delete with the **RED** button.

Conditional Access

- Press the **"MENU"** button to display the main menu and use the "▼" or "▲" button to highlight the "Conditional Access" line and press the "**OK**" button:



Some Digital Terrestrial channels operate on a Pay Per View basis. These require a subscription and a external device.

Obtain the Conditional Access Module (CAM) and the viewing card by subscribing to a pay channel company, then insert those to the TV using the following procedure.

- Switch off the TV and unplug from the mains.
- The CAM should be correctly inserted, it is impossible to insert fully if reversed. The CAM or the TV terminal may be damaged if the CAM is forcefully inserted.
- Connect the TV to the mains supply, switch on and then wait for few moments until the card is activated.
- Some CAMs may require the following set up. Please set the CAM by entering the IDTV menu, Conditional Access then pressing the "**OK**" button. (CAM set up menu is not displayed when it is not required.)
- To see the viewing contract information: enter IDTV; press the **"MENU"** button, then highlight Conditional Access and press the "**OK**" button.
- When no module is inserted, "No Conditional Access module detected" message appears on the screen.
- Refer to the module instruction manual for details of the settings.

***Note**: Insert or remove the CI module only when the TV is in STANDBY mode or disconnected from the mains.*

TV Setup

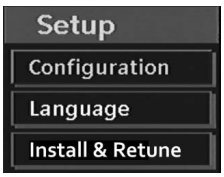
You can use this item to display the TV functions.

The digital TV Setup menu screen is accessed from the main menu. Press the **"MENU"** button to display the main menu and use "▼" or "▲" button to highlight "TV Setup", press the "**OK**" button to display TV Setup menu screen.

You can find detailed information for all menu items in "Analogue TV Menu System" section.

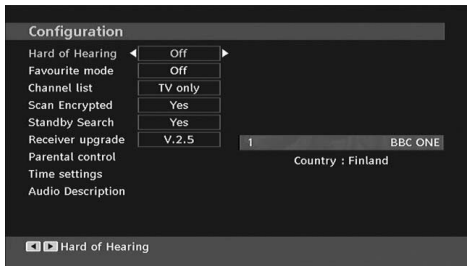
Setup

The adjustments in this menu are given as the following:



Configuration

You can configure the settings of your TV. Select Configuration from Setup menu and press "**OK**" to view this menu. Press the **RETURN** button on the remote control to exit.



Hard of Hearing (for EU countries only)(optional)*

Use "▼" or "▲" button to select Hard of Hearing and then press "◀" or "▶" button to set this setting as On or Off.

If the broadcaster enables any special signal concerning the audio, you can set this setting as On to receive such signals.

Favourite Mode

Use this function to enable or disable favourite mode. Press "◀" / "▶" button to set this function as on or off.

Channel List

Use "▼" or "▲" buttons to go to Channel List option. Use "◀" or "▶" buttons to toggle Channel List Mode. If you select "TV Only", with the "◀" or "▶" buttons, you navigate through only TV channels. If you select "Radio Only", with the "◀" or "▶" buttons, you navigate through only radio channels. If you select "Text Only", with the "◀" or "▶" buttons, you navigate through only text channels.

Scan Encrypted

Scan Encrypted Channel feature will always be ON after performing first time installation. When this setting is on, search process will locate the encrypted channels as well. If it is set as OFF manually, encrypted channels will not be located while in automatic search or manual search.

Use "▼" or "▲" button to select Scan Encrypted and then press "◀" or "▶" button to set this setting as On or Off.

Standby Search (optional)

Use "▼" or "▲" button to select Standby Search and then press "◀" or "▶" button to set this setting as On or Off. If you change Standby Search to Off, this function will be unavailable.

To use Standby search please make sure that you select Standby Search as On.

Receiver Upgrade

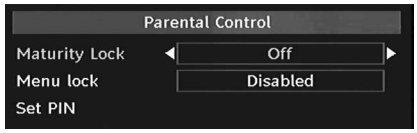
Over Air Download (OAD)

This feature helps to keep your TV updated. It works automatically and searches for new information when available. Note that this setting is inactive to be modified. Please ensure that the TV is set to standby mode. The TV automatically powers up at 3.00 A.M. each day and searches for any new information which may be broadcasted and will download this to your receiver automatically. This operation will normally take approximately 30 minutes.

***Note**: Your TV may start in First Time Installation mode after OAD update.*

Parental Control

Use "▼" or "▲" buttons to go to Parental Lock option. Press OK button to enter the menu. A dialog box asking for the lock key will be displayed. The key is set to "0000" initially. Enter PIN. If it is incorrect, "Wrong Pin" OSD will be displayed. If it is correct, the Parental Control menu will be displayed:



Maturity Lock (optional) (*)

(*) If you set Country option as UK in the first time installation, Maturity Lock option will not be visible. This setting is available only for EU countries.

When set, this option gets the maturity information from the broadcast and if this maturity level is disabled, does not show video-audio.

Menu Lock

In menu lock you can set locking for all menus, or the Install & Retune Menu to restrict access to these menus. If the menu lock is disabled, there will be free access to the menu system. Use "▼" or "▲" buttons to go to Menu Lock option. Use "◀" or "▶" buttons to choose Menu Lock Mode.

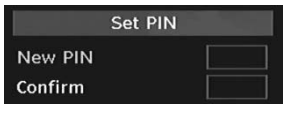
DISABLED : All menus are unlocked.

ALL MENUS : All Menus are accessible only with the correct lock key. So the user cannot add, delete, rename, channels, cannot set timers.

INSTALL & RETUNE MENU: Install & Retune menu is locked. So the user can't add channels. Changes will be updated after exiting 'Configuration Menu'.

Set PIN

Use "▼" or "▲" buttons to go to "Set PIN" option. Press "**OK**" to display the "Set PIN" window. Use numeric buttons to enter new pin number you will need to input your new pin a second time for verification purposes.The factory default pin number is 0000, if you change the pin number make sure you write it down and keep it safe.



Time Settings (Optional)

In the configuration menu, highlight the Time Settings item by pressing "▲" or "▼" buttons.

Press "**OK**" and Time Settings sub menu will be

01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 16 03.12.2010 16:21:53

displayed on the screen. Current Time,Time Zone Setting and Time Zone will be available.

Use "▲" or "▼" buttons to highlight the Time Zone Setting. Time Zone Setting is set using "◀" or "▶" buttons. It can be set to AUTO or MANUAL.

When AUTO is selected, Current Time and Time Zone options will not be available to be set. If MANUAL option is selected as the Time Zone Setting, Time Zone can be altered:

• By pressing "▲" or "▼" buttons select Time Zone.

Use "◀" or "▶" buttons to change the Time Zone between GMT-12 or GMT+12. Current Time on the top of the menu list will then change according to the selected Time Zone.

Audio Description (Optional)

Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television and movies. The description narrator talks through the presentation, describing what is happening on the screen during the natural pauses in the audio (and sometimes during dialogue, if deemed necessary). You can use this feature, only if the broadcaster supports that additional narration track. Use "▼" or "▲" buttons to select an item. Then use "◀" or "▶" buttons to set.

Audio Description (Optional)

This function enables or disables the audio description feature by pressing the "◀" or "▶" buttons.

Preferred Language (Optional)

By pressing the "◀" or "▶" buttons the preferred audio description language is being changed.

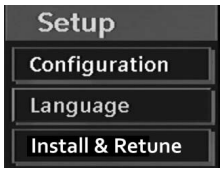
This setting can be used, only if it is available.

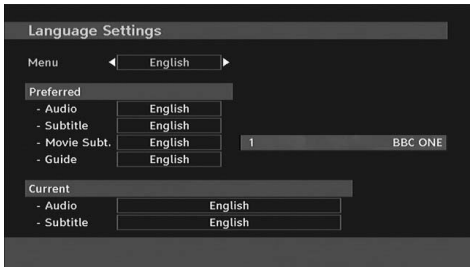
Relative Volume (Optional)

Using this option, the Audio Description volume level can be increased or decreased relatively, according to the general volume.

Language

In this menu the user can adjust the preferred language. Language is changed by pressing "**OK**" button.





Menu: shows the language of the system

Preferred

These settings will be used if available. Otherwise the current settings will be used.

- **Audio**: by pressing "◀" or "▶" keys change the audio language.
- **Subtitle**: alter the subtitle language with "◀" or " ▶" keys. The chosen language will be seen in subtitles.

Movie Subtitle (optional)

- In order to display subtitles properly, use this setting to select a movie subtitle language.
- By pressing "◀" or "▶" button, select the desired language option.
- **Guide**: By pressing "◀" or "▶" buttons change the guide language.

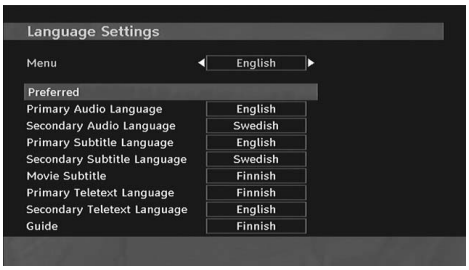
Current

- **Audio**: if audio language is supported change the audio language by pressing "◀" or "▶" buttons
- **Subtitle**: if subtitle is backed up, alter the subtitle language with "◀" or "▶" buttons. The chosen language will be seen in subtitles.

***Note**: If the Country option is set to Denmark, Sweden, Norway or Finland, the Language Settings menu will function as described below:*

01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 17 03.12.2010 16:21:54

Language Settings



In the configuration menu, highlight the Language Settings item by pressing "▼" or "▲" buttons. Press "**OK**" and Language Settings submenu will be displayed on the screen:

Use "▼" or "▲" buttons to highlight the menu item that will be adjusted and then press "◀" or "▶" button to set.

Notes:

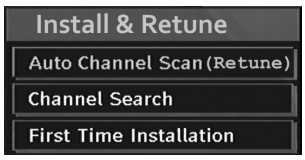
- System Language determines the on-screen menu language.
- Audio Language is used for selecting the soundtrack of a channels.
- Primary settings are the first priority when multiple choices are available on a broadcast. Secondary settings are the alternatives when the first options are not available.

Install & Retune

The Install & Retune menu is mainly intended to help you for creating a Channel Table in the most efficient way. Select Install & Retune from the Configuration menu by pressing "▼" or "▲" buttons.

This menu includes the following items:

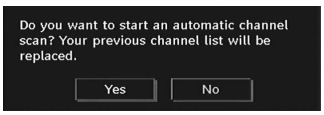
(*) For Denmark, Sweden, Norway or Finland.



Auto Channel Scan (Retune)

Auto Channel Scan (Retune) is started by pressing "OK" button while Auto Channel Scan (Retune) item is highlighted.

The following message appears on the screen:

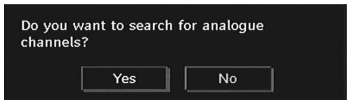


Highlight Yes or No by using "◀" or "▶" buttons and press "**OK**" button to confirm.

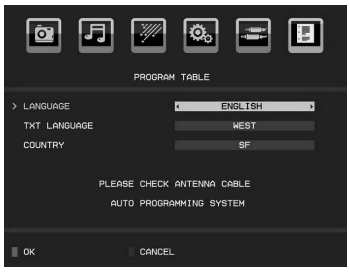
If Yes is selected, automatic search starts.

Selecting No cancels automatic search.

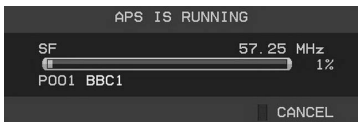
After search is completed for digital channels, a message asking whether to search for analogue channels appears on the screen:



Press the "**OK**" button to search for analogue channels. The following menu appears on the screen for analogue channel search:



Select your **Country**, **Language** and **Text language** by using "▼" or "▲" and "◀" or "▶" buttons. Press "**OK**" or **RED** button to continue. To cancel, press **BLUE** button. The following menu will be displayed during the automatic tuning:



After APS is finalized, the programme table will appear on the screen. In the programme table you will see the programme numbers and names assigned to the programmes.

Channel Search

In manual channel scan, the number of the multiplex is entered manually and only that multiplex is searched for the channels. For each valid channel number, signal level and signal quality are shown on the screen.

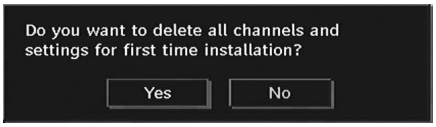
In both manual and auto search any existing channel in the database is not re-stored to avoid redundant duplicates of that channel.

First Time Installation

The user can use this item to load default settings, which were loaded to the receiver at the factory.

To install factory settings, highlight “First Time Installation” menu item and press “**OK**” button, then you will be asked whether or not to delete the settings. Selecting “Yes” by pressing “**OK**” button while “Yes” is highlighted will delete the existing channel table.

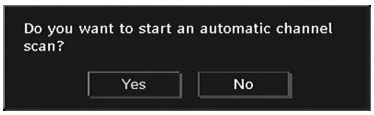
Then you will be asked to confirm for deleting all channels and settings:



By selecting Yes and pressing the “**OK**” button, the existing channel table will be deleted. After factory settings are loaded, “First Time Installation” menu will be displayed.

The menu which is displayed for language selection appears on the screen at first. By using “▼” or “▲” buttons, select the desired language option, and press OK button to activate.

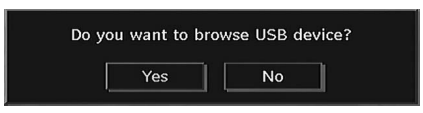
Afterwards, “First time installation” OSD will appear on the screen. By pressing “◀” or “▶” buttons, select the **Country** you want to set and press “**OK**” button (* only for EU countries).



Press the “**OK**” button to start installation. After search is completed for digital channels, a message asking whether to search for analogue channels appears on the screen.This process is same as described in **Automatic Search** section.

Media Browser

- To display Media Browser window, press either **“MENU”** button on the remote control and then select Media Browser by pressing “▼” or “▲” button. Press “**OK**” button to continue. Media Browser menu contents (depending on the contents of your USB drive) will be displayed.
- Also, when you plug a USB device, the following screen will be displayed:



Select YES by pressing “◀” or “▶” button and press **OK** button. Media browser will be displayed.

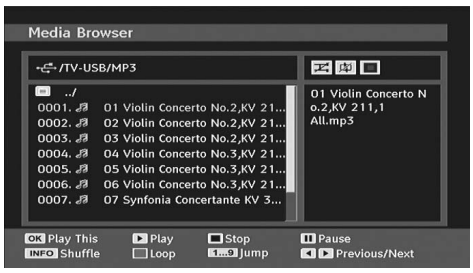
- You can play music, picture and video files from a USB memory stick.

***Note**: If you plug USB stick while in analogue mode, the TV will automatically switch to digital TV mode.*

***Note**: Some USB compliant devices may not be supported.*

***Note**: If the USB stick is not recognized after power off/on or First Time Installation, first, plug the USB device out and power off/on the TV set. Plug the USB device in again.*

Playing MP3 Files



Play This (**OK** button) : Plays the selected file.

Play (▶ button) : Plays all media files in the folder starting with the selected one.

Pause (❚❚ button) : Pause playing file.

Stop (■ button) : Stop the playing file.

Previous/Next (◀ ▶ buttons) : Jumps to previous or next file to play.

Shuffle (**INFO** button) : Plays the files randomly. If shuffle mode is enabled, previous/next function will also jump to the tracks randomly.

Loop (■ button) : Plays the selected file repeatedly.

Viewing JPG Files

Jump (**1...9** buttons) : jump to selected file using the numeric buttons.

OK : (**OK** button) views the selected picture in full screen.

Slideshow (▶ button) : starts the slideshow with all pictures in the folder.

Slideshow Options

Pause (❚❚ button) : Pause the slideshow.

Continue (▶ button) : Continue with the slideshow.

Previous/Next (◀▶ buttons) : Jump to previous or next file of slideshow.

Rotate (▼▲ buttons) : Rotate the picture using up/down buttons.

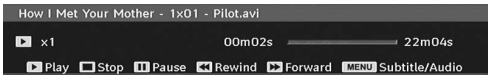
Return: Back to file list.

Shuffle (■ button) : Shows the files randomly and continuous in current folder and icon turns the highlighted icon. If during a slideshow the shuffle mode is enabled, the next pictures will be choosen randomly (If the loop function is not enabled, the slideshow will stop at the end. If the loop function is enabled, after the slideshow ends, it will start again and again).

Loop (■ button): Slideshow goes on continuously and icon turns the highlighted icon.

INFO : Activates the operations bar.

Video Playback



Play (▶ button) : Starts the video playback.

Stop (■ button) : Stops the video playback.

Pause (❚❚ button) : Pause the video playback.

Rewind (◀◀ button) : Goes backward.

Forward (▶▶ button) : Goes forward.

Menu (MENU button) : Sets subtitle/Audio.

- You can set subtitles by using **"INFO/ⓘ"** button before starting the playback or by using **"MENU"** button during the playback.

Note:

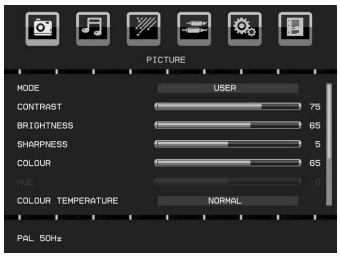
-Selected subtitles may not be displayed correctly in some cases.

-In order to display movie subtitles correctly, you should set a "Movie Subtitle" language. See the section, "Movie Subtitle" in "Language Settings" for selecting Movie Subtitle language.

Press **RETURN** button to switch back to previous menu.

Analogue TV Menu System

Picture Menu



Mode

For your viewing requirements, you can set the related mode option.

Press "▼" or "▲" button to select **Mode**. Press "◀ " or "▶" button to choose from one of these options: **Natural,Cinema**,**User** and **Dynamic** .

You can adjust to mode according to your desired settings if you select user option.

Contrast/Brightness/Sharpness/Colour/Hue

Press "▼" or "▲" button to select the desired option. Press "◀" or "▶" button to set the level.

***Note**: **Hue** option can only be visible when the TV receives an NTSC signal.*

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Colour Temperature

Press "▼" or "▲" button to select **Colour Temperature**. Press "◀" or "▶" to choose from one of these options: Normal ,Warm and Cool.

Note*:*

*• For normal colours, select **Normal** option.*

*• Setting **Warm** option gives white colours a slight red stress.*

*• Setting **Cool** option gives white colours a slight blue stress.*

Game Mode

Select **Game Mode** by pressing "▼" or "▲" button. Use "◀" or "▶" button to set Game Mode as **On** or **Off**. When Game Mode is set to On, specific game mode settings, which are optimized for better video quality, will be loaded.

Also; Picture Mode, Contrast, Brightness, Sharpness, Colour and Colour Temperature settings will be invisible and disabled while Game Mode is on.

Note*:*

Picture mode selection button on the remote control will have no function while Game Mode is on.

Picture Zoom

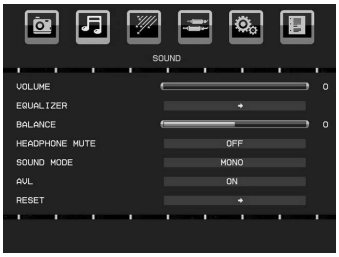
Select **Picture Zoom** by pressing "▼" or "▲" button.

Use "◀" or "▶" buttons, to change picture zoom to **Auto**, **16:9** or **4:3**.

Reset

Press "▼" or "▲" button to select **Reset**. Press "▶" button to reset the picture modes to factory default settings."**RESETTING**" will be displayed on the screen.

Sound Menu



Volume

Press "▼" or "▲" button to select **Volume**. Press "◀" or "▶" button to change the level of the Volume.

Equalizer

Press "▼" or "▲" button to select **Equalizer**. Press "▶" button to view equalizer menu.

Press "◀" or "▶" button to change the preset. In equalizer menu, the preset can be changed to **Flat, Music, Speech, Movie and User.**

Select the desired frequency by pressing "▼" or "▲" button and increase or decrease the frequency gain by pressing "◀" or "▶" button.

Press the **"MENU"** button to return to the previous menu.

Note*: Equalizer menu settings can be changed only when the **Equalizer Mode** is in **User**.*

Balance

This setting is used for emphasizing left or right speaker balance.

Press "▼" or "▲" button to select **Balance**. Press "◀" or " ▶" button to change the level of the balance. Balance level can be adjusted between **-50** and **+ 50**.

Headphone Mute

Press "▼" or "▲" button to select **Headphone Mute**. Press "◀" or "▶" button to set **Headphone Mute** as **On** or **Off**.

If you want to mute Headphone sound, please change to Headphone Mute function to On.

Also, when the TV is in mute, you can use this feature to activate or deactivate headphone sound.

Sound Mode

Press "▼" or "▲" button to select **Sound Mode**. Using "◀" or "▶" button, you can select Mono, Stereo, Dual I or Dual II mode, only if the selected channel supports that mode.

AVL

Automatic Volume Limiting (AVL) function adjusts the sound to obtain fixed output level between programmes (For instance, volume level of advertisements tend to be louder than programmes).

Press "▼" or "▲" button to select **AVL**. Press "◀" or "▶" button to set the AVL as **On** or **Off**.

Reset

Press "▼" or "▲" button to select Reset. Press "▶" button to reset the picture modes to factory default settings. "**RESETTING**" will be displayed on the screen.

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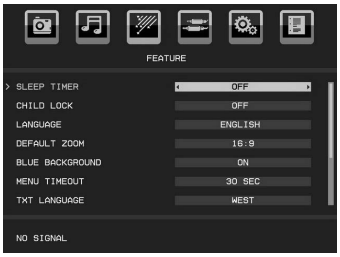
Feature Menu



Sleep Timer

Press "▼" or "▲" button to select **Sleep Timer**. Use "◀" or "▶" button to set the **Sleep Timer**.

The timer can be programmed between Off and 2 hours (120 minutes) in steps of 10 minutes.

If **Sleep Timer** is activated, at the end of the selected time, the TV goes automatically to standby mode.

Child Lock

Press "▼" or "▲" button to select **Child Lock**.

Use "◀" or "▶" button to set the Child Lock **On** or **Off**. When On is selected, the TV can only be controlled by the remote control. In this case the control panel buttons will not work, except for the Standby/On button. When Child Lock is activated you are able to switch the TV to Standby mode with the Standby/ On button. To switch the TV on again, you need the remote control.

Hence, if one of those buttons is pressed, Child Lock Is On will be displayed on the screen when the menu screen is not visible.

Language

Press "▼" or "▲" button to select **Language**. Use " ◀" or "▶" button to select the **Language**.

Default Zoom

While zoom mode is set as AUTO, the TV will set the zoom mode in accordance with the signal of the broadcast. If there is no WSS or aspect ratio information, the TV will then use this setting to adopt. Press "▼" or "▲" button to select **Default Zoom**. You can set **Default Zoom** to **16:9** or **4:3** pressing "◀" or "▶" button.

Blue Background

If the signal is weak or absent, the TV will automatically change to a blue screen. To enable this, set **Blue Background** to **On**.

By pressing "▼" or "▲" button, select **Blue Background**. Press "◀" or "▶" button to set **Blue Background** as **On** or **Off**.

Menu Timeout

To set a specific display timeout for menu screens, set a value for this option.

Press "▼" or "▲" button to select **Menu Timeout**. Use "◀" or "▶" button to change menu timeout to **Off**, **15 sec**, **30 sec** or **60 sec**.

TXT (Teletext) Language

Press "▼" or "▲" button to select **TXT Language**. Use "◀" or "▶" button to change **TXT Language** to **West, East, Cyrillic, Turk/Gre, Arabic** or **Persian.**

Ext Out

Press "▼" or "▲" button to select Ext Out. Use "◀" or "▶" button to set the Ext Out as On or Off.

***Note**:*

For copying from a DVD or VCR device, you should choose desired source from source menu and turn "On" to EXT Out from feature menu.

Ext Out should be On in order to use Timers function in the DTV mode.

Auto Tv Off:

Press "▼" or "▲" button to select Auto Tv Off. Use "◀" or "▶" button to set the Auto Tv Off as Off,1H,2H,3H,4H,5H or 6H.

You can set the timeout value of auto off feature.After the timeout value is reached, the TV will switch off.

Backlight (Optional)

This setting controls the backlight level. Select **Backlight** by pressing "▼" or "▲" button. Press" ◀" or "▶" button to set **Backlight** to **Medium**, **Maximum** or **Minimum**.

Source Menu

Select the sixth icon by pressing "◀" or "▶" button. Source menu appears on the screen:

In source menu, highlight a source by pressing "▼" or "▲" button and switch to that mode by pressing "**OK**" button. Source options are; **TV, DTV/USB, DVD, EXT, FAV, HDMI, YPbPr** and **PC-VGA.** With the "◀" or "▶" buttons you can set Off or On. When Off is selected; this source does not appear in the

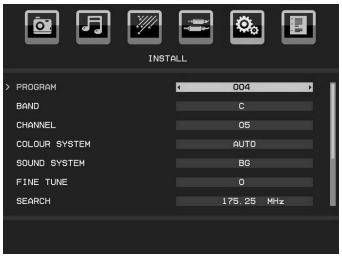
01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 22 03.12.2010 16:21:58

OSD when you press the **"SOURCE"** button of the remote control.

***Note**: Once you have connected optional equipment systems to your TV, you should select the required input to view pictures from that source.*

***Note**: YPbPr mode can be used only when you connect a device that has a YPbPr output through the PC-VGA input with YPbPr to PC cable (YPbPr cable is not supplied).*

Install Menu



Program

Press "▼" or "▲" button to select Program. Use "◀" or "▶" button to select the program number. You can also enter a number using the numeric buttons on the remote control. There are 200 programme storage between 0 and 199.

Band

Band can be selected either C or S. Press "◀" or "▶ " button to set Band.

Channel

Channel can be changed by "◀" or "▶" button or numeric buttons.

Colour System

Press "▼" or "▲" button to select Colour System. Use "◀" or "▶" button to change the colour system to AUTO, PAL or SECAM.

Sound System

Press "▼" or "▲" button to select Sound System. Press "◀" or "▶" button to change the sound system to BG,DK, I, L or L'.

Fine Tune

Press "▼" or "▲" button to select Fine Tune. Press " ◀" or "▶" button to adjust the tuning.

Search

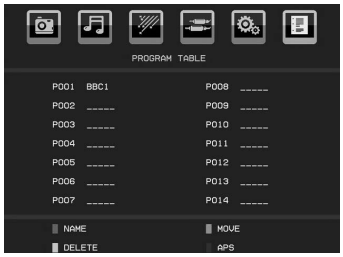
Press "▼" or "▲" button to select Search. Use "◀" or "▶" button to start programme searching. You can also enter the desired frequency using the numeric buttons while Search item is highlighted.

Store

Press "▼" or "▲" button to select Store. Press "▶" or **OK** button to store the settings. "**Stored...**" will be displayed on the screen.

Program Table

Select **Program Table** by pressing "◀" or "▶" button. Press "▼" to display Program Table:



By moving the cursor in four directions you can reach 20 programmes in the same page. You can scroll the pages up or down by pressing the navigation buttons to see all the programmes in TV mode (except for the AV modes). By cursor action, programme selection is done automatically.

Name

To change the name of a programme, select the programme and press the **RED** button.

The first letter of the selected name will be highlighted. Press "▼" or "▲" button to change that letter and "◀" or "▶" button to select the other letters. By pressing the **RED** button, you can store the name.

Move

Select the programme which you want to move by navigation buttons. Press the **GREEN** button. By navigation buttons move the selected programme to the decided programme space and press the **GREEN** button again.

Delete

To delete a programme, press the **YELLOW** button. Pressing the **YELLOW** button again erases the selected programme from the programme list, and the following programmes shift one line up.

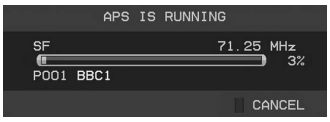
APS (Auto Programming System)

When you press the **BLUE** button for starting automatic tuning, **Auto Programming System** menu will appear on the screen:

01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 23 03.12.2010 16:21:59

Press "◀", "▶" button to select your country. If you want to exit from A.P.S. function, press the **BLUE** button.

When you press **OK** or **RED** button for starting automatic tuning, all stored programmes will be erased and the TV will search for available channels. During the search, the following OSD will be displayed:



Whenever you press the **BLUE** button, APS function stops and Program Table appears on the screen.

If you wait until the end of APS, Program Table will be displayed with the programmes found and located.

PC-VGA Mode Menu System

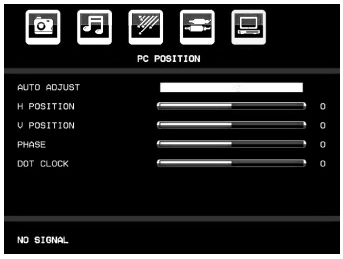
See "**Connecting the LCD TV to a PC**" section for connecting a PC to the TV set.

For switching to **PC-VGA** source, press **"SOURCE"** button on your remote control and select PC-VGA input. You can also use "**Source**" menu to switch to **PC-VGA** mode.

Note: That PC-VGA mode menu settings are available only while the TV is in PC-VGA source.

PC-VGA Position Menu

Select the first icon by pressing "◀" or "▶" button. **PC Position** menu appears on the screen:



Autoposition

If you shift the picture horizontally or vertically to an unwanted position, use this item to put the picture into correct place automatically. This setting therefore automatically optimizes the display.

Select Autoposition item by using "▼" or "▲" buttons. Press "**OK"** or "◀", "▶" button.

***Warning**: Please ensure auto adjustment is performed with a full screen image to ensure best results.*

H (Horizontal) Position

This item shifts the image horizontally to right hand side or left hand side of the screen.

Select **H Position** item by using "▼" or "▲" button. Use "◀" or "▶" button to adjust the value.

V (Vertical) Position

This item shifts the image vertically towards the top or bottom of the screen.

Select **V Position** item by using "▼" or "▲" button. Use "◀" or "▶" button to adjust the value.

Phase

Depending on the resolution and scan frequency that you input to the TV set, you may see a hazy or noisy picture on the screen. In such a case you can use this item to get a clear picture by trial and error method.

Select **Phase** item by using "▼" or "▲" buttons. Use "◀" or "▶" button to adjust the value.

Dot Clock

Dot Clock adjustments correct the interference that appear as vertical banding in dot intensive presentations like spreadsheets or paragraphs or text in smaller fonts.

Select **Dot Clock** item by using "▼" or "▲" buttons. Use "◀" or "▶" button to adjust the value.

PC-VGA Picture Menu

For adjusting PC picture items, do the following:

Press "◀" or "▶" button to select the second icon. PC Picture menu appears on the screen.

Contrast, Brightness, Colour Temperature and Game Mode settings in this menu are identical to settings defined in TV picture menu under "Analogue TV Menu System".

***Note**: If you set Colour Temp as User, you can define R, G, B settings manually.*

***Sound, Feature** and **Source** settings are identical to the settings explained in Analog Tv menu system.*

Displaying TV Information

Programme Number, **Programme Name**, **Sound Indicator** and **Zoom Mode** information is displayed on the screen when a new programme is entered or **"INFO/ⓘ"** button is pressed. When you are in DTV Mode and press "▼" or "▲" button, the Information of the previous or next programme is displayed. To switch to the displayed, programme just press OK button.

Mute Function

Press "🔇" button to disable sound. Mute indicator will be displayed in the upper side of the screen.

To cancel mute, there are two alternatives; the first one is pressing the "🔇" button and the second one is increasing the volume level.

Muting Speakers

The speakers will not mute when the headphones are plugged in, if you would like to mute the speakers while listening using headphones press the "Mute" button and the symbol will appear in screen and then disappear after a few seconds. Please note if you adjust the TV volume the "Mute" function will turn off and the speaker sound will come back on.

Muting the Headphones

If you want to mute the headphones while listening using the speakers, press "Menu" and select "ON" from the Headphone Mute option under the sound menu.

Picture Mode Selection

By pressing **PRESETS** button, you can change **Picture Mode** settings in accordance with your viewing requirements. Available options are Dynamic, Natural and Cinema.

***Note**: This feature cannot be set while in PC-VGA mode.*

Zoom Modes

You can change the aspect ratio (image size) of the TV for viewing the picture in different zoom modes.

Press **"SCREEN"** button to directly change the zoom mode.

Available zoom modes are listed below.

***Note**:*

*In **YPbPr** and **HDMI** modes, while in 720p-1080i resolutions, only 16:9 mode is available.*

Zoom mode cannot be changed while in PC-VGA mode.

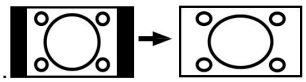
Auto

When a **WSS (Wide Screen Signalling)** signal, which shows the aspect ratio of the picture, is included in the broadcast signal or the signal from an external device, the TV automatically changes the **ZOOM** mode according to the **WSS** signal.

- When the **AUTO** mode does not function correctly due to poor **WSS** signal quality or when you want to change the **ZOOM** mode, change to another **ZOOM** mode manually.

16:9

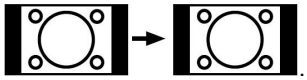
This uniformly stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the wide TV screen



- For 16:9 aspect ratio pictures that have been squeezed into a normal picture (4:3 aspect ratio), use the **16:9** mode to restore the picture to its original shape.

4:3

Use to view a normal picture (4:3 aspect ratio) as this is its original size



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Teletext

Teletext system transmits information such as news, sports and weather on your TV. Note that if the signal degrades, for example in poor/adverse weather conditions, some text errors may occur or the teletext mode may be aborted.

Teletext function buttons are listed below:

"Teletext / Mix / PAT Mode

Activates teletext mode when pressed once.

Press again to place the teletext screen over the programme (mix). Pressing this button again will split the screen into two windows, one displaying the teletext and the other displaying the current channel. Pressing again will quit the teletext mode.

"RETURN" - Index

Selects the teletext index page.

"▶" Subcode Pages

Selects subcode pages if available when the teletext is activated.

"INFO" - Reveal

Shows hidden information (e.g. solutions of games).

"SCREEN" - Expand

Press once to enlarge top half of the page, press again to enlarge the bottom half of the page. Press again to revert back to normal size.

P+ / P- and numbers (0-9)

Press to select a page.

***Note**: Most TV stations use code 100 for their index pages.*

Coloured Buttons

You can use coloured buttons in accordance with the displayed functions. When **TOP text** system is available, sections in a teletext page will become colour-coded and can be selected by pressing the coloured buttons. Press a coloured button that corresponds to with your needs. The coloured writings will appear, showing you which coloured buttons to use when **FASTEXT** transmission is present.

Teletext Subtitle (in analogue TV mode only)

If you press "**SUBTITLE**" button, teletext subtitle information will be displayed on the bottom right part of the screen (if available). You can set the desired option by highlighting it using "▼" or "▲" button and then by pressing OK button.

Tips

Image Persistence

Please note that ghosting may occur while displaying a persistent image. LCD TVs' image persistence may disappear after a short time. Try turning off the TV for a while. To avoid this, do not leave the screen in still picture for extended periods.

No Power

If your TV system has no power, please check the main power cable and connection to the mains socket outlet.

Poor Picture

Have you selected the correct TV system? Is your TV set or house aerial located too close to a non-earthed audio equipment or neon lights, etc.?

Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial. Is the picture or teletext unrecognisable? Check if you have entered the correct frequency. Please retune the channels. The picture quality may degrade when two peripherals are connected to the TV at the same time. In such a case, disconnect one of the peripherals.

No Picture

Is the aerial connected properly? Are the plugs connected tightly to the aerial socket? Is the aerial cable damaged? Are suitable plugs used to connect the aerial? If you are in doubt, consult your dealer.

No Picture means that your TV is not receiving a transmission. Have you selected the correct button on the remote control? Try once more. Also make sure the correct input source has been selected.

Sound

You can not hear any sound. Did you perhaps interrupt the sound, pressing the "🔇" button?

Sound is coming from only one of the speakers. Is the balance set to one extreme? See Sound Menu.

Remote Control

Your TV no longer responds to the remote control. Perhaps the batteries are exhausted. If so you can still use the local buttons at the side of the TV.

Input Sources

If you cannot select an input source, it is possible that no device is connected. Check the AV cables and connections if you have tried to connect a device.

01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 26 03.12.2010 16:22:02

Appendix A: PC Input Typical Display Modes

The display has a maximum resolution of 1920 X 1080. The following table is an illustration of some of the typical video display modes.

Your TV may not support different resolutions. Supported resolution modes are listed below.

If you switch your PC to an unsupported mode, a warning OSD will appear on the screen.

Index	Resolution		Frequency		Standard
	Hor	Ver	Ver (Hz)	Hor (KHz)	
1	640	480	60	31.5	VESA
2	640	480	72	37.9	VESA
3	640	480	75	37.5	VESA
4	800	600	56	35.2	VESA
5	800	600	60	37.9	VESA
6	800	600	70	43.8	
7	800	600	72	48.1	VESA
8	800	600	75	46.9	VESA
9	832	624	75	49.7	MAC
10	1024	768	60	48.4	VESA
11	1024	768	70	56.5	VESA
12	1024	768	72	57.7	
13	1024	768	75	60.0	
14	1152	864	75	67.5	VESA
15	1152	870	75	68.9	MAC
16	1280	768	60	47.7	VESA
17	1366	768	60	47.7	
18	1280	960	60	60.0	VESA
19	1280	1024	60	64.0	VESA
20	1280	1024	75	80.0	VESA
21	1600	1200	60	75.0	VESA
22	1680	1050	60	65.3	VESA
23	1920	1080	60	67.5	VESA

Resolutions above 60Hz may not be displayed.

Appendix B: AV and HDMI Signal Compatibility (Input Signal Types)

Source	Supported Signals		Available
EXT-1 (SCART)	PAL 50/60		O
	NTSC 60		O
	RGB 50		O
	RGB 60		O
FAV	PAL 50/60		O
	NTSC 60		O
YPbPr	480I	60Hz	O
	480P	60Hz	O
	576I	50Hz	O
	576P	50Hz	O
	720P	50Hz	O
	720P	60Hz	O
	1080I	50Hz	O
	1080I	60Hz	O
	1080P	50Hz	O
	1080P	60Hz	O
HDMI	480I	60Hz	O
	480P	60Hz	O
	576I	50Hz	O
	576P	50Hz	O
	720P	50Hz	O
	720P	60Hz	O
	1080I	50Hz	O
	1080I	60Hz	O
	1080P	24Hz	X
	1080P	25Hz	X
	1080P	30HZ	X
	1080P	50HZ	O
	1080P	60HZ	O

(X: Not Available, O: Available)

***Note**: In some cases a signal on the LCD TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc.). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.*

Appendix C: Supported File Formats for USB Mode

Media	File Extension	Format		Remarks
		Video	Audio	(Maximum resolution/Bit rate etc.)
Movie	.mpg/ .dat/ .vob .mpe	MPEG1	MPEG Layer 1/2/3	
		MPEG2	MPEG2	
	.avi	XviD/ 3ivx	PCM/MP3/ WMA	XviD Verson up to: 1.1.2
		MPEG4	PCM/MP3/ WMA	Support ASP(GMC warping points only support 1)
		MS ISO MPEG4	PCM/MP3/ WMA	Support SP and ASP
Music	-	-	PCM	Sample Rate: 8K ~ 48KHz
	.mp3	-	MPEG 1/2 Layer 1/ 2/ 3 (MP3)	Sample Rate: 8K ~ 48KHz, Bit Rate: 32K~320Kbps
Photo	.jpg .jpeg .bmp .gif	Baseline JPEG		WxH = 14592x12288, Up to 179 Mega-pixel Support format: 444 / 440/ 422/ 420/ Grayscale
		Progressive JPEG		Up to 4 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
External Subtitles	.srt			Support Text File Format, but do not support Picture File Format
	.smi			
	.sub			
	.psb			
	.ass			

Note: Necessary bitrates for some video types are higher than USB limits. For this reason, some video types cannot be played.

Specifications

TV BROADCASTING	PAL/SECAM B/G D/K K' I/I' L/L'
RECEIVING CHANNELS	VHF (BAND I/III) UHF (BAND U) HYPERBAND

Digital Reception	MHEG-5 ENGINE compliant with ISO/IEC 13522-5 UK engine Profile 1	for UK
	Object carousel support compliant with ISO/IEC 135818-6 and UK DTT profile	
	Frequency range: 474-850 MHz for UK models	
	170-862 MHz for EU models	
	Transmission standard: DVB-T. MPEG-2	
	Demodulation: COFDM with 2K/8K FFT mode	
	FEC: all DVB modes	
	Video: MP@ML, PAL, 4:3/16:9	
	Audio: MPEG Layer I&II 32/44.148kHz.	

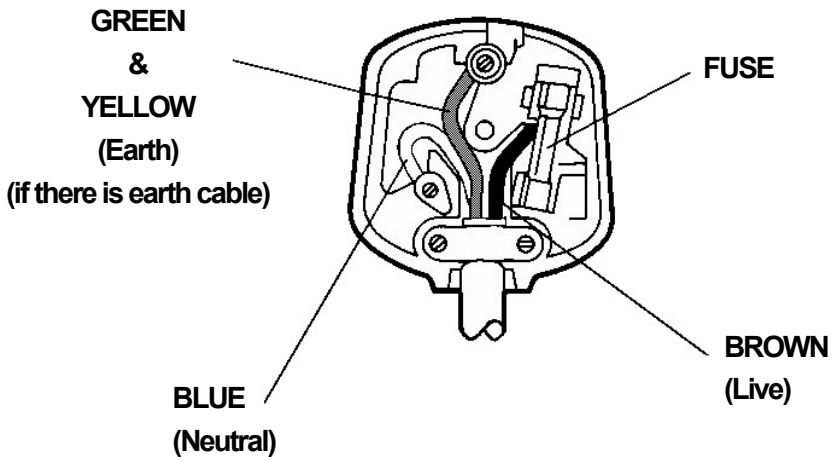
NUMBER OF PRESET CHANNELS	200
CHANNEL INDICATOR	On Screen Display
RF AERIAL INPUT	75 Ohm (unbalanced)
OPERATING VOLTAGE	220-240V AC, 50 Hz.
AUDIO	German+Nicam Stereo
AUDIO OUTPUT POWER ($W_{RMS.}$) (10% THD)	2 x 2,5
POWER CONSUMPTION (W)	60 W (max) < 1 W (Standby)
PANEL	22" wide display
DIMENSIONS (mm)	
DxLxH (With foot):	117 x 536 x 376
Weight (Kg):	5,40
DxLxH (Without foot):	60 x 536 x 348
Weight (Kg):	5,25

Important Instruction

For your own safety read following instruction carefully before attempting to connect this unit to the mains supply.

MAINS (AC) OPERATION

The wires in the mains lead are coloured in accordance with the following code :



IMPORTANT

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured green and yellow must be connected to the terminal which is marked with the letter E, or by the earth symbol, or coloured green or green and yellow.

The wire which is coloured blue or black must be connected to the terminal which is marked with the letter N or coloured Black.

The wire which is coloured brown or red must be connected to the terminal which is marked with the letter L or coloured Red.

For continued protection against risk of fire, replace only with same type and rating of fuse (ASTA approved 5A 250VAC fuse).

CAUTION

TO PREVENT ELECTRIC SHOCK DISCONNECT FROM THE MAINS BEFORE REMOVING COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

SAFETY PRECAUTION

THIS EQUIPMENT MUST BE DISCONNECTED FROM THE MAINS WHEN NOT IN USE. DO NOT ALLOW THIS UNIT TO BE EXPOSED TO RAIN OR MOISTURE.

01_MB46_[GB]_(01-TV)_1900UK_IDTV_NICKEL15_22742W_10071406_50181370.indd 31 03.12.2010 16:22:02

Contents

Features 32
General Properties..... 32
Safety Information 33
Notes on Discs 33
On handling discs 33
On cleaning..... 33
Licence Notification 33
How to Watch a DVD..... 33
DVD Control Panel Buttons..... 34
Overview of the Remote Control 34
General Operation..... 35
General Playback 36
Basic Play..... 36
For your reference: 36
Notes on Playback:..... 36
Setup Menu Items 36
Vıdeo Setup Page..... 36
TV Type..... 36
Language Setup 36
OSD LANG 36
AUDIO 36
DISC MENU..... 36
SUBTITLE..... 36
Preferences 37
DEFAULT..... 37
DOWNMIX..... 37
PASSWORD (Change Password): 37
Troubleshooting..... 37
The picture quality is poor (DVD)..... 37
Disc does not play 37
Wrong OSD language..... 37
Some functions (Angle, Zoom etc) do not work 37
No picture 37
No sound 37
Distorted sound..... 38
No response from remote control 38
If nothing works..... 38
Definition of Terms..... 38
Disc Types Compatible with This Unit 39
Specifications 39

Features

General Properties

- DVD / CD / CD-R / CD-RW / MP3 / JPEG / MPEG.
- NTSC/PAL playback (according to disc content)
- DOLBY DIGITAL, LPCM audio via coaxial and optical digital audio outputs. (optional)
- Multi-Audio (up to 8) support (According to disc content)
- Multi-Subtitle (up to 32) support (According to disc content)
- Multi-Angle (up to 9) support (According to disc content)
- 8 level parental control
- Fast forward and rewind in 5 different speeds. (2x, 4x, 8x, 16x, 32x)
- Slow motion playback in 4 different speeds. (1/2x, 1/4x, 1/8x, 1/16x forward)
- Frame by frame forward playback.
- Search Mode
- Repeat
- Coaxial audio output (optional)
- Copied disks may be incompatible.

Note

- This DVD player may not support some MP3 recordings due to differences in recording formats or disc type.
- Please read the owner's manual about MP3 playback.
- CD-R/CD-RW discs recorded by CD-DA method can be played. Some CD-R/CD-RW discs may be incompatible due to laser pick-up and disc design.
- DVD-R/RW discs recorded by DVD-Video method can be played . Some DVD-R/RW discs may be incompatible due to laser pick-up and disc design.
- Some discs may be incompatible with JPEG Viewer function due to different recording format or condition of the discs.

01_MB46_[GB]_(02-DVD)_WODIVX_1900UK_10071406_50181370.indd 32 03.12.2010 16:14:02

Safety Information

CAUTION

DVD Player is a class 1 laser product. However this product uses a visible laser beam which could cause hazardous radiation exposure. Be sure to operate the player correctly as instructed.

CLASS 1
LASER PRODUCT

• Manufactured under license from Dolby Laboratories. "Dolby", and the double-D symbol are trademarks of Dolby Laboratories.

RISK OF ELECTRIC SHOCK

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

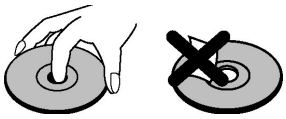
Notes on Discs

On handling discs

• To keep the disc clean, handle the disc by its edge. Do not touch the surface.

• Do not stick paper or tape on the disc.

• If the disc is contaminated with any substance like glue remove before using it.

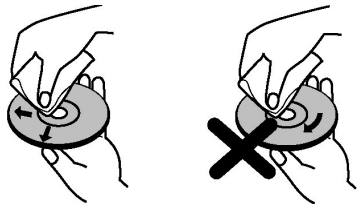


• Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.

• After playing, store the disc in its case.

On cleaning

• Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



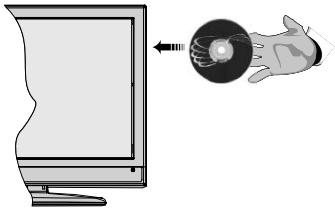
• Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

Licence Notification

• This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering and disassembly are prohibited.

How to Watch a DVD

When placing a disc into the loader, labeled side of the disc should be on the front:



When TV set is turned on, first switch to DVD source by using the **SOURCE** button on the remote control. Press play on the remote control, or directly press play button at the front panel. If there is no disc inside the loader, place a DVD first and press play.

DVD Control Panel Buttons

A. Disc loader

B. Play / Pause

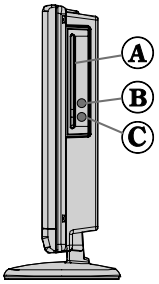
Plays/pauses the disc. When DVD menu (root menu) is active, this button functions as “button select” (selects the highlighted item in menu) if this is not prohibited by the disc.

C. Stop / Eject

Stop playing disc / Eject or Load the disc Note:

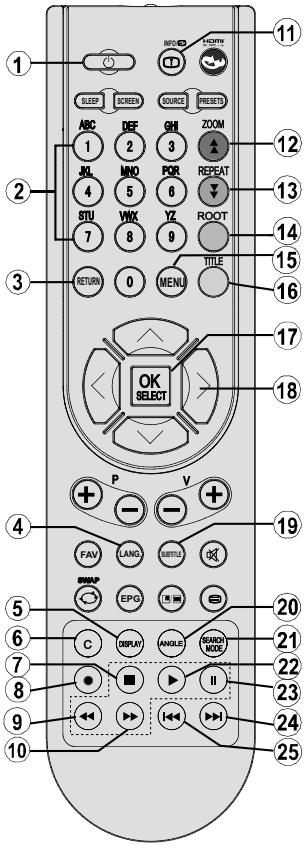
• You cannot eject the disc via the remote control.

• While playing a file, you should press STOP button three times to eject.



Overview of the Remote Control

1. Standby
2. Numeric buttons
3. Return back
4. Language selection (Set language)
5. Display time / DVD menu
6. Clear
7. Stop
8. No function
9. Rapid Reverse
10. Rapid advance
11. Info
12. Zoom
13. Repeat
14. Root
15. Menu
16. Title
17. OK / Select
18. Navigation Buttons
19. Subtitle
20. Angle
21. Search mode
22. Play
23. Pause
24. Skip next
25. Skip previous



General Operation

You can operate DVD, movie CD, music or picture CD's content by using the proper buttons on your remote control. Below are main functions of commonly used remote control buttons.

Buttons on the Remote Control	DVD Playback	Movie Playback	Picture Playback	Music Playback
▶	Play	Play	Play	Play
⏸	Pause	Pause	Pause	Pause
■	Stop	Stop	Stop	Stop
⏮/ ⏭	Skip backward/forward	Skip backward/forward	Previous / Next	Previous / Next
◀/▶	Shifts the zoomed picture left or right (if available).			
▼/▲	Highlights a menu item. / Shifts the zoomed picture up or down (if available).			
◀◀/▶▶	Rapid advance / Rapid reverse			
ANGLE	Views the scene from different angles (if available).		Changes slide effect (depends on the content).	X
C	Clears digit (if available).			
DISPLAY	Displays time / Views main setup menu			
INFO	Time counter mode selection (during playback). Press repeatedly to switch between modes.			
LANG.	Audio language.		X	X
MENU	Displays TV menu.			
OK / SELECT	Enter / View / Play			
REPEAT	Displays repeat options.			
RETURN	Returns back to the previous menu (if available).			
ROOT	Goes back to the root folder (if available).			
SEARCH MODE (*)	Direct selection of scenes or time.		Selects the desired file.	Selects the desired file.
SUBTITLE	Subtitle on-off. Press repeatedly to switch between subtitle options.		X	X
SWAP	Media source selection.			
TITLE	Displays disc menu (if available).	Displays disc menu (if available).	X	X
ZOOM	Zooms picture. Press repeatedly to switch between zoom options.			

Other Functions – Button Combinations (During playback)	
⏸ + ▶▶	Slow forward.
[⏸ + ▶▶] + ◀◀ ▶▶	Sets slow forward speed.
▶▶ + ▶▶	Sets rapid advance speed.
◀◀ + ◀◀	Sets rapid reverse speed.
■ + ■	Confirms stop command.
⏸ + ⏭	Press ⏭ repeatedly to advance manually.

(*) You can switch to title by pressing numeric keys directly. You need to press 0 and then digit key to switch one digit titles (example: to select 5, press 0 and 5.

General Playback

Basic Play

1. Press on the power button
2. Please insert a disc to the loader.

The disc will be automatically loaded and play commences if the disc does not have any menus recorded on it.

A menu may appear on the TV screen after a few moments or the film may start immediately after the introduction of the Film Company. This behaviour depends on the disc content and may change.

***Note**: Step 3 and 4 is available only when a menu is recorded on the disc.*

3. Press "▼" / "▲" / ◀ / ▶ or the number button (s) to select the preferred title.
4. Press SELECT.

Play of the selected items now starts.The played item may be a motion picture, a still picture or another submenu depending on the disc.

For your reference:

If an action corresponding to a button is prohibited the "⊘" symbol appears.

Notes on Playback:

1. No sound will be heard during Rapid advance or Rapid reverse.
2. No sound will be heard during Slow motion play.
3. Reverse slow motion play is not available.
4. In some cases, the subtitle language is not changed immediately to the selected one.
5. When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.
6. When the player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.
7. If a language is selected, not supported by the disc, the subtitle language will automatically be set to the disc's priority language.
8. Usually a circulation will happen while switching to another language, that is you can cancel the subtitle by pressing this button a number of times until "Subtitle Off" appears on the screen.
9. When the power is turned on or the disc is removed, the language heard is the one selected at the initial settings. If this language is not recorded on the disc, only the available language on the disc will be heard.
10. Some DVDs may not contain root and/or title menus.
11. Reverse stepping is not available.
12. For your convenience:

If you attempt to enter a number greater than the total time of the current title, the time search box disappears and "⊘ Input Invalid" message appears on up-left corner of screen.

13. Slide Show is disabled when the ZOOM mode is on.

Setup Menu Items

Vıdeo Setup Page

TV Type

TV Type is only available as 'PAL'. The TV set also supports NTSC signal; however, the signal will be converted to PAL when it appears on the screen.

Language Setup

OSD LANG

You can select the default OSD language of the player menus

AUDIO

You can select the default audio language if supported by the DVD disc.

DISC MENU

You can select the DVD's disc menu language among these languages. Disc menu appears in the selected language, if supported by the DVD disc.

SUBTITLE

You can select the default subtitle language if supported by the DVD disc.

01_MB46_[GB]_(02-DVD)_WODIVX_1900UK_10071406_50181370.indd 36 03.12.2010 16:14:04

Preferences

DEFAULT

If you choose RESET and press SELECT, the factory-presets are loaded. Parental level and parental password does not change.

DOWNMIX

This mode can be selected when the digital audio output of the TV is used.

SURROUND: Surround sound output.

STEREO: Two channels stereo.

PARENTAL (Parental Level)

Playing some DVDs can be limited depending on the age of users. The “Parental Control” function allows playback limitation level to be set by the parent.

Parental Level can be adjusted to one of the eight levels. Level “8 ADULT” adjustment let you watch all of the DVD titles ignoring the DVD disc’s parental level. You can watch the DVD discs, which has the same or lower parental level than the player’s level only.

PASSWORD (Change Password):

Using this item you can change the current password.

To change the password you will be prompted to enter your old password. After you have entered your old password, you can now enter the new 4-digit password.

You can use C key to delete the incorrect entry.

Note: Factory preset of the password is “0000”. You have to enter XXXX digital password every time you want to change the parental level. If you forget your password please contact technical service.

Troubleshooting

The picture quality is poor (DVD)

• Make sure the DVD disc surface is not damaged. (Scratch, fingerprint etc.)

• Clean the DVD disc and try again.

See instructions described in “Notes on Discs” to clean your disc properly.

• Ensure that the DVD disc is in the drawer with the label uppermost.

• A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Stand-by to dry the equipment.

Disc does not play

• No disc in the machine.

Place a disc into the loader.

• Disc incorrectly loaded.

Ensure that the DVD disc is in the drawer with the label uppermost.

• Wrong type of disc. The machine cannot play CD-ROMS etc.

• The region code of the DVD must match the player.

Wrong OSD language

• Select the language in the set-up menu.

• The language for the sound or subtitles on a DVD cannot be changed.

• Multilingual sound and/or subtitles not recorded on the DVD.

• Try to change the sound or subtitles using DVD’s title menu. Some DVD’s do not allow the user to change these settings without using the disc’s menu

Some functions (Angle, Zoom etc) do not work

• These functions are not available on the DVD.

• Angle can only be changed when the angle symbol is displayed.

No picture

• Have you pressed the correct buttons on the remote control? Try once more.

No sound

• Check the volume is set to an audible level.

• Make sure you have not switched the sound off accidentally.

Distorted sound

• Check that the appropriate listening mode setting is correct.

No response from remote control

• Make sure the remote control is in the correct mode.

• Check batteries are fitted correctly.

• Change the batteries.

If nothing works

If you have tried the above solutions and none seem to work, try switching your TV-DVD off and on again. If this does not work, contact your supplier or TV-DVD repair technician. Never attempt to repair a defective TV-DVD yourself.

Definition of Terms

Angle

Recorded onto some DVD discs are scenes, which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter Number

These numbers are recorded on DVD discs. A title is subdivided into many sections, each of which are numbered, and specific parts of video presentations can be searched quickly using these numbers.

DVD

This refers to a high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG II) and high-density recording technology. DVD enables aesthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

DVD has a structure consisting of two 0.6-mm thin discs, which are adhered to each other. Since the thinner the disc, the higher the density at which the information can be recorded, a DVD disc has a greater capacity than a single 1.2 mm thick disc. Since the two thin discs are adhered to each other, there is the potential to achieve double-sided play sometime in the future for even longer duration play.

Subtitles

These are printed lines appearing at the bottom of the screen, which translate or transcribe the dialogue. They are recorded on the DVD discs.

Time Number

This indicates the playtime, which has elapsed from the start of a disc or a title. It can be used to find a specific scene quickly. (Not all discs permit the time search feature to be used. Availability is determined by the disc's manufacturer.)

Title Number

These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

Track Number

These numbers are assigned to the tracks, which are recorded on AudioCDs. They enable specific tracks to be located quickly.

Dolby Digital

Many movie theatres are equipped with 5.1 channel surround systems. This same type of technology is available to you in your home. To enjoy full 5.1-channel surround, your DVD player must be connected to an external Dolby Digital decoder via the digital outputs (either coaxial or optical).

Dolby Pro Logic

This is Dolby Laboratories' technology to decode Dolby Surround encoded programs actively. Dolby Surround programs have four channels of audio (Left, Center, Right and Surround) encoded into a standard 2-channel stereo signal. The rear channel is monaural.

LPCM

LPCM stands for Pulse Code Modulation and is digital audio.

MPEG

Short for Moving Picture Experts Group. This is an international standard for compression of moving images. On some DVDs digital audio has been compressed and recorded in this format.

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Disc Types Compatible with This Unit

Disc Types (Logos)	Recording Types	Disc Size	Max. Playing Time	Characteristics
DVD VIDEO	Audio + Video	12 cm	Single - sided; 240 min. Double - sided; 480 min.	• DVD contains excellent sound and video due to Dolby Digital and MPEG-2 System. • Various screen and audio functions can be easily selected through the on screen menu.
		8 cm	Single - sided; 80 min. Double - sided; 160 min.	
AUDIO-CD COMPACT disc DIGITAL AUDIO	Audio	12 cm	74 min.	• An LP is recorded as an analog signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 cm	20 min.	
MP3-CD MP3 READABLE	Audio (xxxx.mp3)	12 cm	**It depends on MP3 quality.**	• MP3 is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 cm		
PICTURE-CD JPEG READABLE	Video (still picture)	12 cm	**It depends on JPEG quality.**	• JPEG is recorded as a Digital Signal with better picture quality over time.
		8 cm		

Specifications

Types of Discs Supported	**DVD:** SS/SL 4.7" (DVD-5) SS/DL 4.7" (DVD-9) DS/SL 4.7" (DVD-10) DS/DL 4.7" (DVD-18)	CD-DA CD-R CD-RW MP-3/JPEG
Video Type	MPEG-2 Video Standard Decoding (MPEG-1 supported) Full-Screen Video Display of 720 x 576 (PAL) & 720 x 480 (NTSC) pixels 50 and 60 Hz frame refresh rates (PAL & NTSC) Digital bit-stream processing rate up to 108Mbits/sec Line resolution more than 500 lines	
Audio Type	Dolby Digital Decoding MPEG Multichannel Decoding LPCM	
Audio Output	**Digital Audio Outputs:** IEC 958 TOSLINK **Analog Outputs:** 24 bit /48, 44.1kHz down-sampling DAC	

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